

Specification Amendments:

In the specification, at page 1, lines 5-6, please amend the paragraph as follows:

~~--This application is a continuation of USSN 09/557,092, which claims priority from USSN 60/130,847, filed April 22, 1999 and 60/137,214, filed June 1, 1999. This application is a continuation of pending U.S. Patent Application Serial No. 10/061,658, filed February 1, 2002, which is a continuation of U.S. Patent Application Serial No. 09/557,092, filed April 21, 2000, now abandoned, which was a continuation in part of U.S. Patent Application Serial No. 60/130,847, filed April 22, 1999, now abandoned, and U.S. Patent Application Serial No. 60/137,214, filed June 1, 1999, now abandoned. The instant application claims priority from each of these earlier-filed applications.--~~

In the specification, at page 4, line 2, please add the following new sentence after the word "experiments."

~~--The hybridoma that produces the  $\alpha$ 1-I domain antibody AJH10 was deposited under the Budapest Treaty on August 2, 2001 with the American Type Culture Collection, 10801 University Boulevard, Manassas, VA 20110-2209 (ATCC PTA-3580). Other materials necessary to make AJH10 are available in the public domain to those of ordinary skill in the art.--~~

In the specification, at page 4, please amend the description of Figure 4 at lines 11-12 as follows:

~~--Figure 4. Location of the Epitope for the anti-  $\alpha$ 1-I domain Blocking mAbs. A. Figure 4.A illustrates the amino ~~Amino~~ acid sequence of the rat (top) (SEQ ID NO: 5) and human (below) (SEQ ID NO: 6)  ~~$\alpha$ 1-I domain~~  $\alpha$ 1-I integrin polypeptide sequences. --~~

In the specification, at page 4, lines 19-20, please amend the description of Figure 5 as follows:

~~--Figure 5. Amino acid sequence of the human  $\alpha$ 1 $\beta$ 1 integrin polypeptide sequence (SEQ ID NO: 9). The amino acid sequence of the  $\alpha$ 1-I domain (SEQ ID NO: 10 is shown in the~~

~~box.~~ Figure 5. Figure 5 illustrates the amino acid sequence of the human  $\alpha 1$ -I integrin polypeptide sequence (SEQ ID NO: 9). The amino acid sequence of the epitope for the anti- $\alpha 1$ -I domain blocking mAbs (SEQ ID NO: 8) is shown in the box.--

In the specification, at page 25, lines 13-14, please amend the sentence as follows.  
--It is concluded that integrins  $\alpha 1\beta 1$  and  ~~$\alpha 1\beta 1$~~   $\alpha 2\beta 1$  play important roles in BL-induced pulmonary fibrosis and use of anti $\alpha 1\beta 1$  or anti $\alpha 2\beta 1$  antibody has great antifibrotic potential *in vivo*.--

In the specification, at page 31, lines 6-8, please amend the sentence as follows.  
--The clarified supernatant from cells lysed in PBS was loaded onto a glutathione Sepharose<sup>TM</sup>4B column (Pharmacia) which was washed extensively with PBS.--

In the specification, at page 31, lines 12-13, please amend the sentence as follows.  
--The flow-through and wash fractions were pooled and loaded onto a Q Sepharose<sup>TM</sup> FF column (Pharmacia).--

In the specification, at page 31, lines 14-17, please amend the sentence as follows.  
--The purified I domain displayed its predicted mass (Lee et al. (1995) *Structure* 3, 1333-1340, 871 Da) by electrospray ionization mass spectrometry (ESI-MS), migrated as single band by SDS-PAGE, and the protein eluted as a single peak of appropriate size by size exclusion chromatography on a Superose<sup>TM</sup> FPLC column (Pharmacia).--

In the specification, at page 32, lines 17-23, please amend the paragraph as follows.  
--The human and rat sequences differ by only 12 amino acids, 4 of which lie in a stretch of 6 amino acids (aa ~~92~~ 91-97 96, Fig. 4A) (SEQ ID NOs: 8 and 7, respectively) adjacent to the critical ~~threonine~~ glutamine (Fig. 4A, aa ~~98~~ 97) within the MIDAS motif. To test the hypothesis that the 6 amino acid residues, Val-Gln-Arg-Gly-Gly-Arg, comprise the

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eptitope for the blocking mAbs, we constructed a chimeric I domain (RΔH), ~~exchanging~~  
which exchanged the rat residues G 92 91, R 93-92 Q 94 93, and L 97 96 for the  
corresponding human residues, V, Q, R, and R, respectively.--